

N·GAGE

PANDEMONIUM!™



PANDEMONIUM ONLINE SERVICES

N-Gage™ Arena

Your N-Gage game deck must be switched on and be online to use this feature.

N-Gage Arena is an online service that allows you to upload and download game content enhancements over the air to extend gameplay.

N-Gage Arena is network dependent and requires network support. To use the N-Gage Arena features you need to ensure that your service provider supports data traffic delivery (GPRS) and you have subscribed to a GPRS service. Some networks have limitations that affect your ability to play online. Please see your mobile provider about GPRS support and availability.

Once you have GPRS activated on your N-Gage game deck, select N-Gage Arena from the main menu screen or the in-game icons. More information and instructions are available at www.n-gage.com.

You may also need to register and subscribe for some online gaming services. You'll be prompted for this information when using N-Gage Arena. See www.n-gage.com for more details.

Pandemonium and the N-Gage Arena

Pandemonium for N-Gage game deck features some of the most advanced multiplayer and community features ever seen in a mobile game. This is also the very first Pandemonium game in the well loved series to feature online community and multiplayer competition modes. Pandemonium's unique wireless functionality is enabled by the N-Gage game deck's online gaming community, the N-Gage Arena. To learn more about what the Arena offers, please visit <http://www.n-gage.com> and select the "N-Gage Arena" section.

Note: To access Pandemonium's online gaming features you will need to have an active GPRS subscription with your mobile operator and also have your N-Gage game deck correctly configured to access wireless data services. Please consult your N-Gage game deck's User Guide for more information on this.

Wireless Data Usage

The online features in Pandemonium for N-Gage game deck operate via the upload and download of GPRS wireless data. All the features in the game have been specifically developed to keep the amount of wireless data uploaded and downloaded to a minimum. This ensures the fastest possible online browsing experience as well as helping to keep your wireless data bill to a minimum. Pricing for the use of wireless data will vary from operator to operator. Please consult your mobile operator for information on their wireless data pricing.

PANDEMONIUM FOR N-GAGE GAME DECK ONLINE FEATURES

Shadow Racing

Find out just how good a Pandemonium player you really are by competing head to head with other N-Gage game deck players around a series of fiendishly challenging racing levels. Collect coins, avoid monsters, find shortcuts, but most of all, get to the finish checkpoint before your opponent's Nikki or Fargus.

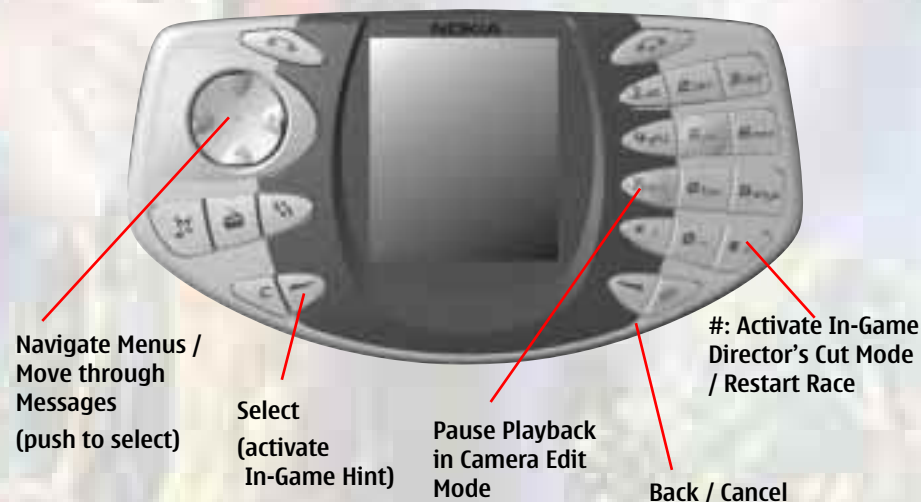
Strategy Guide

On-the-spot downloadable video clips, demonstrating official Pandemonium Strategy Guide tips and tricks for whenever you get really stumped by the game's mind-bending mazes, monsters and hidden mysteries.

Downloadable Cheats

Need a helping hand to defeat that monster or cross that impassable chasm? No problem. Pandemonium's downloadable cheats give you instant access to an online arsenal of special weapons and powers to help tip the odds in your favour when all else has failed.

Pandemonium for N-Gage Game Deck Online Feature Controls



ENTER THE N-GAGE ARENA

Logging On

Highlight and then select the "N-Gage Arena" option from the game's main menu screen. This will launch the game's Online Services Browser which will automatically begin the process of logging on to the N-Gage Arena. A pop-up menu will appear allowing you to select your GPRS access point (see your N-Gage game deck's User Guide for more information on access points). You can exit the online services browser at any time by pressing the "7" button on the N-Gage game deck's numeric keypad.



QUICK NOTE: GPRS SIGNAL STRENGTH

To access the N-Gage Arena you will need to have sufficient GPRS signal strength. The white "G" and signal strength meter at the top left-hand corner of the Online Services Browser denotes the current strength of your GPRS signal. The wireless features in Pandemonium for N-Gage game deck have been specifically developed to perform well even under adverse network conditions. However, online browsing will be at its most responsive when GPRS signal strength is at a maximum (meter at top left displays 6 bars). Just like mobile telephone voice reception, GPRS signal strength may vary depending upon your physical location. Check with your mobile operator for details of their GPRS wireless data network coverage.

The first time your N-Gage game deck connects to the network using Pandemonium, you will be asked to give yourself a username. If any online updates are available for your game, a dialogue box will appear informing you about the update, together with the amount of data required to download it. Once the update has been fully downloaded the game will prompt you to restart. Select "OK". Once the game has restarted, select the "N-Gage Arena" option from the game's main menu screen and continue as before.

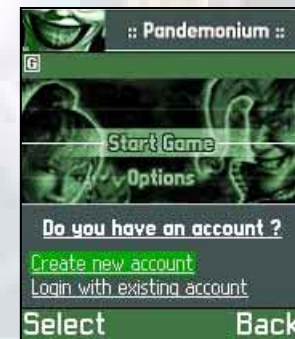


NOTE: IF YOUR GAME APPEARS TO MALFUNCTION IN ANY WAY AFTER YOU HAVE DOWNLOADED AN UPDATE, QUIT AND RESTART IT. ONCE THE GAME HAS RESTARTED, FROM THE MAIN MENU SELECT "OPTIONS" AND THEN "REMOVE SAVED FILES". WHEN PROMPTED, CLICK "OK". ONCE ALL SAVED FILES HAVE BEEN SUCCESSFULLY REMOVED YOU WILL BE ABLE TO RETURN

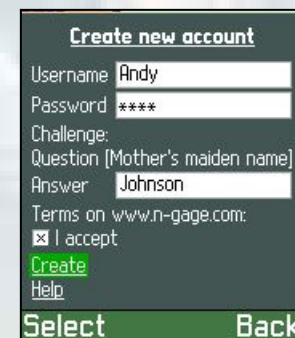
TO THE N-GAGE ARENA VIA THE MAIN MENU TO REDOWNLOAD THE UPDATE.

This time, a dialogue will appear asking whether you have an existing login account. Highlight and select the "Create new account" option using the N-Gage game deck's game controller.

A screen appears where you can create a new account. First enter a username and password. There is also a type-in field where you can answer a question with unique personal information, which will help N-Gage.com support staff identify you in the event that you misplace your username or password.



In order to use the N-Gage Arena service, you need to have read and accepted the terms of the Arena's end user license agreement. This can be found at <http://www.n-gage.com>. Once you have read and accepted this agreement, select the "I accept" option to signal your acceptance. Finally highlight and select the "Create" option to create a new login account for yourself on the N-Gage Arena, using the details you have supplied.



NOTE: IT IS VERY IMPORTANT THAT YOU REMEMBER YOUR USERNAME AND PASSWORD AS YOU WILL REQUIRE THEM TO ACCESS YOUR GAME'S N-GAGE ARENA FEATURES. IT IS STRONGLY RECOMMENDED THAT YOU KEEP A WRITTEN RECORD OF YOUR USERNAME IN A SAFE PLACE, IN THE EVENT THAT THIS DATA IS EVER ACCIDENTALLY DELETED FROM YOUR N-GAGE GAME DECK.

Once you have successfully completed the above, you will be able to access Pandemonium's N-Gage Arena features.

Main Menu

Once connected, you will be presented with a list of the available wireless features. These are: Shadow Racing and Strategy Guide. Select one of the options to enter the section.



Shadow Racing

Note: Shadow Racing is designed to test Nikki and Fargus's speed and agility to the maximum. It is highly recommended that first-time players brush up their racing skills in the single-player Pandemonium before proceeding.

Selecting "Shadow Racing" will take you to Pandemonium's online multiplayer league. The aim of the game is to beat other players' recorded race times around a specially selected section of one of the Pandemonium twisting levels to win extra points, improve your league ranking and prove that you are the fastest and nimblest Pandemonium player in the universe.

New leagues are made available every week, so there's always a fresh challenge to be had. For an explanation of the concepts behind Shadow Racing and its difference to real-time online gaming, see the "What is Shadow Racing?" section below.

There's also a twist in each new league which will feature a slightly different set of gameplay options to the one before. Not all leagues are simple dash-to-the-finish type races; you may also have to collect treasure and other items on your way as well having to collect special power-ups before your Shadow opponent gets them. See the tips and tricks section for more details.

The first thing you will see on entering the Shadow Racing section is a Welcome! Message sent to you by the N-Gage Arena server which will provide you with brief information about the currently active assault course and player rankings. Always read updated Welcome! Messages carefully as they may contain important information about exciting new features and updates being added to the online league competition.

You can also exchange messages with other players in the league. The number of received and sent messages is displayed at the top right of the message menu bar. You can quickly scroll through your received and sent messages using the N-Gage game deck's game controller. Learn more about messages in the "Victory Taunts" section below.

When viewing your messages, you can select the "League" option (bottom right) at any time to proceed to the High Score League.



High Score League

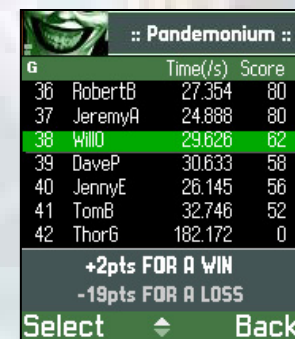
Here you can view the current rankings for your league. Leagues are split into groups of around 100 players, who compete for supremacy until the League is closed and a new one begins. The winner is the player at the top of the leader board when the league closes and a new competition, based on a new assault course, begins. Leagues and assault courses generally remain active for one week. Watch the league Welcome! Messages for information on how long the current league (and assault course) will remain open, so that you don't miss your chance to be overall top dog.

By scrolling up and down the league table, using the N-Gage game deck's game controller, you can view your competitors' times and scores along with the amount of points you can win or lose when you play them. Depending on their relative league positioning and time, certain players are more valuable conquests than others. Beating a player whose ranking is lower than yours is worth less than beating one whose ranking is above your own. By the same token, losing to a player whose ranking is below yours loses you more points than losing to a player whose ranking is above yours.

Progressing to the top of the High Score League is a highly strategic challenge in itself, taking not only great racing skill, but also a keen judgment of risk vs. reward. The player with the fastest time isn't always the one who'll win the league. Being truly great also requires great cunning and persistence.

Pick your battles wisely; you can unseat the leader by more nefarious means than simply thrashing their time around the level. Look closely at the points available for each challenge, and the current time recorded by that user; careful selections can make for big progressions up the board, but stay sharp! It's not easy to live long at the top of the league in this game.

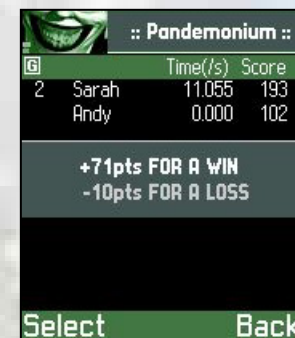
Selecting a player will take you to the challenge screen where you can confirm the details of the challenge, the performance time against which you'll be competing and the number of points at stake. Press 'Select' to download your opponent's shadow performance, and get ready to start racing ...



:: Pandemonium ::		
G	Time(/s)	Score
36	RobertB	27.354 80
37	JeremyA	24.888 80
38	WILLO	29.626 62
39	DaveP	30.633 58
40	JennyE	26.145 56
41	TomB	32.746 52
42	ThorG	182.172 0

+2pts FOR A WIN
-19pts FOR A LOSS

Select Back



:: Pandemonium ::		
G	Time(/s)	Score
2	Sarah	11.055 193
	Andy	0.000 102

+71pts FOR A WIN
-10pts FOR A LOSS

Select Back

Pandemonium Shadow Race Hints and Tips

- i. Different levels may have one or more of the following gameplay options enabled. The welcome message will give you a clue as to which are used in a given race but you might need to experiment to confirm your suspicions.
- ii. Collecting treasure may give you a speed boost that lasts for the whole of the rest of the race. By collecting treasure earlier in the race you can therefore enjoy the benefit of this speed boost for the whole of the remainder of the race.
- iii. When your opponent collects treasure, you may be slowed down. Think strategically to not only maximise the amount of treasure you collect but minimise the amount your Shadow opponent collects by collecting it first!
- iv. Weapons may only last for a single shot. Use it wisely.
- v. You might be a little disoriented by the many "Twisteye" (screen rotates as you play) variations but you'll get used to it soon enough.
- vi. Beware of the lack of friction you might encounter from time to time. You can, however, use it in your favour to give you an extra spring in your step...
- vii. Getting hit might cause you to slow down. Picking up health might give you a speed boost.
- viii. Your player might start with a free speed boost so you'll have to be at your best to control the player as they speed through the beginning of the level.
- ix. Monsters might re-spawn. If they don't, then your opponent can kill them just as you can, which can block off potential routes for you.
- x. Choose your route through the level carefully. Different routes may provide different levels of reward. Be aware that you may have to adjust your plan depending on the route taken by the player you are racing.
- xi. Well-timed jumps, particularly off monsters, can give you just the boost you need to shave those extra few milliseconds off your time and gain victory.
- xii. Learn from your superiors! Download a Shadow performance with a better time than your own and observe it closely. You'll often be able to pick up a few tricks which will have you rocketing up the league in no time.
- xiii. Consider how to make your best shadow performance as hard to beat as possible. Depending on the gameplay options, you might consider collecting as much treasure as possible to slow opponents down or getting rid of monsters that block your access to faster race routes.

Uploading Your Race Results

If you manage to beat your opponent to the finish line within the allotted time, you will be able to upload your performance to the N-Gage Arena, collect your hard-won points and progress up the league.

If you fail to upload a winning performance to the server within 15 minutes of accepting a challenge, points will be automatically deducted from your score, your league position will drop and your opponent will be informed of your failed attempt. (Points are also deducted by the server whenever you abort a race in progress, regardless of whether you upload after your game or not).

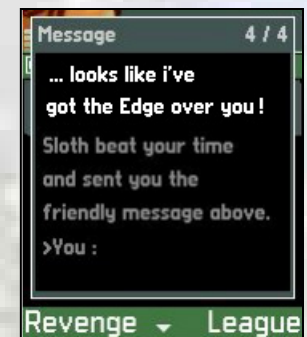
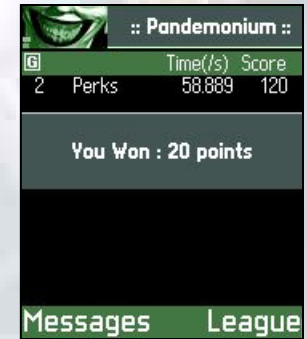
At the end of each race, your results will be uploaded to the N-Gage Arena and if you have achieved a new personal best, then your winning race performance will become the "Shadow" that all other players race against when challenging you. Players in the High Score League are always represented by their personal best performances.

Victory Taunts

When you win, you'll be given the chance to send a message to the player you beat. Be warned, this may be the beginning of a major grudge match! Your Victory Taunt will appear on their screen the next time that your opponent picks up their messages on entering the Shadow Race section.

Whenever you receive a Victory Taunt from a player who has defeated you, you can instantly invoke a return match by selecting the "Revenge" soft key displayed at the bottom of the message.

This will take you directly to the challenge screen ready to exact your revenge. You'll also be offered additional "Revenge Bonus" points if you win, making your victory all the more sweet. Once you've beaten your opponent you can send them your own Victory Taunt reply. Message replies are stored as threads (much like email) so by scrolling down a message (using the N-Gage game deck's game



controller), you'll be able to see the unfolding sequence of Victory Taunts between you and your opponent as your Revenge matches progress.

Tip: Remember that Revenge matches have more points attached to them than normal league challenges, so make sure that you keep an eye on your messages to see if you have any outstanding Revenge Bonuses to collect. Picking up lots of Revenge bonuses from matches against mediocre opponents is a very good way of improving your league position without having to risk your precious points in challenges with the best players in the league.

Strategy Guide

Stuck on a level? Running low on health? Can't find that last key? Don't panic! The Strategy Guide section allows you to download and watch in-game recorded footage of everything you ever wondered how to do in Pandemonium. Using the online strategy guide you'll learn how to find secret areas, health and items for every level of the game, all lovingly created for you by an Elite team of Pandemonium experts.

Caution: Spoilers Ahead! The Pandemonium Online Strategy guide is intended to enhance your play experience, but it is advisable to use it responsibly. It is recommended that you only use the Strategy Guide when you are well and truly stumped by the game or you have completed a puzzle and want to find out whether your solution differed from the official Strategy Guide version.

Downloading a Clip

Select the "Strategy Guide" section. Then select your chosen level and whether you'd like to download a walkthrough or strategy guide clip. The available walkthroughs and clips are then listed for you to browse at your leisure.



:: Challenge ! ::		
	Time(/s)	Score
1 Sloth	39.245	210
2 Perks	47.645	171
+39pts FOR A WIN -10pts FOR A LOSS		
+AN EXTRA > 10pts REVENGE BONUS ! <		
Select	Back	

Walkthroughs

Download a walkthrough and allow Nikki and Fargus to be your personal Pandemonium trainers. Once you have downloaded your selected walkthrough, the game will be loaded with both Nikki and Fargus present. If you last played as Nikki then your guide will be Fargus and vice-versa. Your guide will head off towards the next checkpoint, but don't worry, they will stop if they get more than a few steps ahead of you. You can use the arrow in the top half of the screen to see exactly where they are at any time and as soon as you catch up to them, they will carry on again until you both reach the checkpoint.

Tips 'n' Tricks Clips

Once you have downloaded your selected clip, it will be loaded in the game for you to view. You can pause if you wish in the usual manner, and when the clip has finished playing, you will be returned to the list of clips in the Online Services Browser so that you can continue your browsing.

Downloadable Cheats

Caution: Spoilers Ahead! Pandemonium's online Downloadable Cheats are intended to enhance your play experience, but it is advisable to use them responsibly. It is recommended that you only use these cheats when you are well and truly stumped by the game or feel particularly hell-bent on exacting your revenge on a particularly troublesome monster or level boss.

As well as downloadable guide clips, Pandemonium for N-Gage game deck also allows you to download cheats and special powers from the N-Gage Arena when you need them most. If you are particularly stuck on a game level, simply press the "1" button on the N-Gage game deck's numeric keypad. This will automatically connect you to the N-Gage Arena and direct you to the folder containing the cheats available for the level you are playing. Select your cheat and you will be automatically returned to your game. Some cheats are permanent, some only last for a limited time. If the cheat you have selected is impermanent then the time you have remaining to use it is displayed as a numerical countdown on your screen.

:: Cheats ::	
G	
:: Freeze Missile	
:: Shrink Missile	
:: Swap Character	
:: Extra Life	
Select	Back

FAQ:

How big are Pandemonium's video clips? Isn't downloading video files over the wireless network very expensive?

The video clips downloaded by Pandemonium for N-Gage game deck are extremely compact and compressed. A typical Video Clip of up to 30 minutes of recorded Pandemonium gameplay is well under 1 Kilobyte in size. This file size is achieved because these files are not strictly speaking video, but instead are a recording of specific in-game events, rather than pictorial frame images as with videotape and digital video. The file size of these game events is in addition massively compressed using a highly advanced compression technology. The tiny file size of these video clips allows them to be almost instantaneously uploaded and downloaded across the wireless network while at the same time requiring minimal wireless data usage.

What is Shadow Racing?

Understanding your game's multiplayer wireless gaming experience.

The N-Gage game deck uses the GPRS wireless standard to enable its network gaming experience. GPRS is a highly reliable and widely deployed wireless data technology. GPRS wireless networks, however, suffer from lower bandwidth and much higher latency than is typically required for real-time online gaming. "Latency" refers to the amount of time it takes for a given packet of game information to travel over the wireless network between two connected devices. If the delay in passing these inter-player game updates between devices is too long, it becomes impossible to maintain a consistent gaming experience between the players competing on the network.

Players will experience shared game events (such as hits and collisions) occurring at different times, creating a lag between perception and reaction, which makes multiplayer competition impossible.

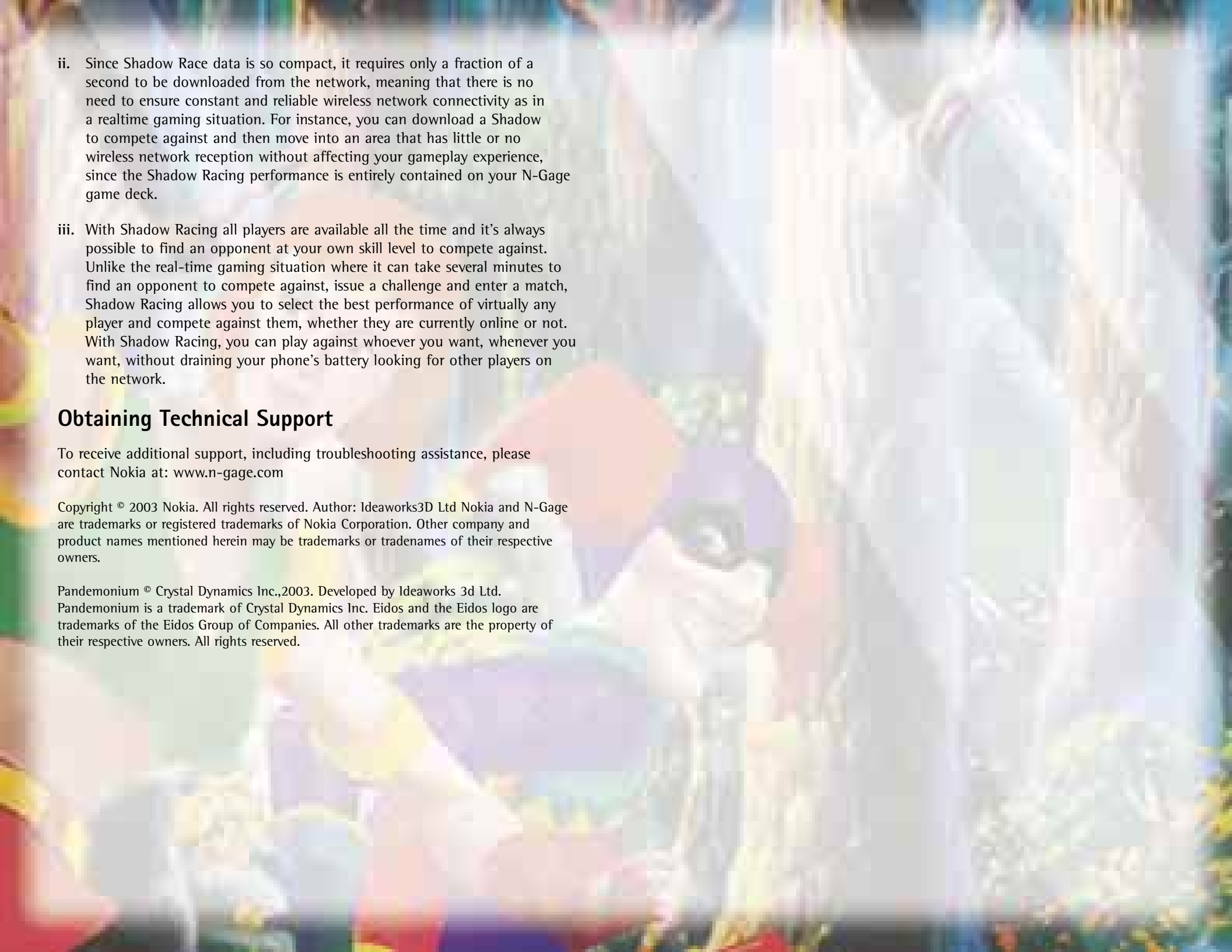
Real-time online games like first-person shooters or racing games generally require network latencies of no more than 200-300 milliseconds to sustain a playable gaming experience. The typical latency of GPRS networks ranges between 1-3 seconds, making high-quality real-time arcade gaming experiences extremely difficult to sustain. In addition to this, the cumulative amount of data passed over the network during a real-time gaming session can be prohibitively large. Unlike the fixed-line Internet, wireless data is often charged on a per-packet basis i.e. the more data you use, the higher your wireless data bill can be. This is another reason why real-time online gaming is not ideally suited to wireless networks.

Unlike a physical fixed line connection, mobile wireless network connections are also prone to occasional interruptions and network dropouts in just the same way as one experiences during a mobile telephone conversation. The variable reliability of wireless network coverage makes it much harder to conduct a successful realtime game, which requires a constant and reliable connection between devices.

Pandemonium for N-Gage game deck uses a multiplayer gaming technique called "Shadow Racing" (also known as "Ghost Racing") to achieve its head-to-head multiplayer experience. In Shadow Racing, the players compete against each other's pre-recorded performances around a given track or obstacle course. Even though the competition does not occur between players in real-time, the on-device competition experience is identical, or in many cases superior to the quality that one might expect from a real-time game operating over a high latency network connection. Even over 150 milliseconds latency connections, so-called real-time multiplayer games are unable to represent the exact performance of players relative to one another in true real-time. For instance, in a Formula 1 racing game, 150 milliseconds can be equivalent to more than 3 or 4 car lengths during a race, requiring the game itself to make educated guesses about the cars' relative positions in the race based on out-of-date timing information. In Shadow Racing, because all the performances are pre-recorded and played back without any lag, a far more exact head-to-head racing experience can be achieved. The only element missing in the Shadow Racing experience is the immediacy of the player's "live" interaction, since one of the players in the race is always represented by a pre-recorded performance. In general, in terms of the individual N-Gage game deck player's perceived gaming experience, the Shadow Racing implementation in Pandemonium for N-Gage game deck is almost exactly as it would be if the competition was to be played out in realtime over an optimal latency connection.

Shadow Racing also has several significant advantages over real-time multiplayer competition which make it ideally suited to the wireless mobile gaming situation.

- i. The data usage in Shadow Racing is far less than in a real-time gaming situation. For a typical 10 minute game between two players, the wireless data exchanged over the network during a 10 minute session of Pandemonium racing would be approximately 100 to 150 Kilobyte for each player. Such high data usage might make the online gaming experience prohibitively expensive, even for short game sessions. Due to the highly advanced recorded data compression used in Pandemonium for N-Gage game deck, downloading a 10 minute Shadow Race performance will typically require the download of less than 1 Kilobyte of wireless data, allowing the player to compete in over a hundred Shadow Races for the same price as a single multiplayer session.

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- A group of people, mostly young adults, are gathered around a large screen, looking intently at the game being played. They are in a dimly lit room, possibly a gaming lounge or a public display area. The people are wearing casual clothing, and some are holding controllers. The screen shows a game with a character in a blue and white outfit.
- ii. Since Shadow Race data is so compact, it requires only a fraction of a second to be downloaded from the network, meaning that there is no need to ensure constant and reliable wireless network connectivity as in a realtime gaming situation. For instance, you can download a Shadow to compete against and then move into an area that has little or no wireless network reception without affecting your gameplay experience, since the Shadow Racing performance is entirely contained on your N-Gage game deck.
 - iii. With Shadow Racing all players are available all the time and it's always possible to find an opponent at your own skill level to compete against. Unlike the real-time gaming situation where it can take several minutes to find an opponent to compete against, issue a challenge and enter a match, Shadow Racing allows you to select the best performance of virtually any player and compete against them, whether they are currently online or not. With Shadow Racing, you can play against whoever you want, whenever you want, without draining your phone's battery looking for other players on the network.

Obtaining Technical Support

To receive additional support, including troubleshooting assistance, please contact Nokia at: www.n-gage.com

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